

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	09/245,615
Filing Date	Feb 4, 1999
First Named Inventor	James P. Hoeffler
Art Unit	1641
Examiner Name	COOK, Lisa V.

Sheet	1	of	3	Attorney Docket No: IVGN 274.1
-------	---	----	---	--------------------------------

US PATENT DOCUMENTS

Examiner Initial *	Cite No	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	4865998	Sep 12, 1989	Feickert, et al.	
	A2	5283283	Feb 1, 1994	Ogata, N.	
	A3	5436134	Jul 25, 1995	Haugland, et al.	
	A4	5491097	Feb 13, 1996	RIBI, Hans O.	
	A5	7354721	Apr 8, 2009	Tchaga, Grigoriy S.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
	B1	EP-0404097	Jun 20, 1990	Bosslet, et al.		
	B2	GB-2099578	Dec 8, 1982	Gordon, et al.		
	B3	WO-1989/04489	May 18, 1989	Niman, et al.		
	B4	WO-1992/01047	Jan 23, 1992	McCafferty, et al.		
	B5	WO-1993/11161	Jun 10, 1993	Whitlow, et al.		
	B6	WO-1993/19172	Sep 30, 1993	Johnson, et al.		
	B7	WO-1995/18377	Jul 6, 1995	Ekins, et al.		
	B8	WO-1995/35505	Dec 28, 1995	Shalon, et al.		
	B9	WO-1996/36436	Nov 21, 1996	Nova, et al.		
	B10	WO-1997/10365	Mar 20, 1997	Chunweil, et al.		
	B11	WO-1999/20749	Apr 29, 1999	Tomlinson, et al.		
	B12	WO-86/006170	Oct 23, 1986	Liberti, P.A.		
	B13	WO-9312248A1	Jun 24, 1993	Spencer, J.		
	B14	WO-9508770A1	Mar 30, 1995	Seeger, et al.		
	B15	WO-9602830A1	Feb 1, 1996	Sartore, et al.		
	B16	WO-9638726A1	Dec 5, 1996	Heyse, et al.		
	B17	WO-9732017A1	Sep 4, 1997	llag, et al.		
	B18	WO-9736681A1	Oct 9, 1997	Woudenberg, et al.		
	B19	WO-9741424A1	Nov 6, 1997	Lennox, R.B.		
	B20	WO-9741425A1	Nov 6, 1997	Lennox, et al.		

EXAMINER**DATE CONSIDERED**

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered; whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	09/245,615
Filing Date	Feb 4, 1999
First Named Inventor	James P. Hoefler
Art Unit	1641
Examiner Name	COOK, Lisa V.

Sheet	2	of	3	Attorney Docket No: IVGN 274.1
-------	---	----	---	--------------------------------

B21	WO-99/039210	Aug 5, 1999	Humphrey-Smith, I.
-----	--------------	-------------	--------------------

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C1	Partial EP Search Report mailed 04/26/2010 in EP Appl. No. 09180044.1	
	C2	Non-Final Office Action mailed 12/23/2008 in US Appl. No. 10/035,368	
	C3	European Search Report Mailed 12/27/2004 in EP Appl. No. 99905748.2	
	C4	Partial European Search Report Mailed 09/06/04 in EP Appl. No. 99905748.2	
	C5	International Search Report Mailed 04/28/1999 in International Appl. No. PCT/US99/02442	
	C6	Written Opinion mailed 02/16/00 in International Appl. No. PCT/US99/02442	
	C7	BAECHER-ALLAN, CLARE M. et al., "Differential Epitope Expression of Ly-48 (Mouse Leukosialin)", <i>Immunogenetics</i> , Vol. 37, No. 3, 1993; pp. 183-192	
	C8	BLANC, BERNARD, "Immunoelectrophoretic two-dimensional analysis in a jellified medium", <i>Bulletin de la Societe de Chimie Biologique</i> , Vol. 41, (English Abstract only) 1959; pp. 891-899	
	C9	CHU, F. W. et al., "Microarray-Based Immunoassays", <i>Am Chem Soc.</i> , Vol. 657, 1997; pp. 170-184	
	C10	COPELAND, CONNIE S. et al., "Nuclear pore complex antigen delineate nuclear envelope dynamics in vegetative and conjugating <i>Saccharomyces cerevisiae</i> .", <i>Yeast</i> , Vol. 9, No 3, 1993; pp. 235-249	
	C11	EKINS, R. et al., "DEVELOPMENT OF MICROSPOT MULTI-ANALYTE RATIONOMETRIC IMMUNOASSAY USING DUAL FLUORESCENT-LABELLED ANTIBODIES", <i>Analytica Chimica Acta</i> , Vol. 227, 1989; pp. 73-96	
	C12	EKINS, ROGER P. et al., "Fluorescence Spectroscopy and its Application to a New Generation of High Sensitivity, Multi-Microspot, Multianalyte, Immunoassay", <i>Clintica Chimica Acta</i> , Vol. 194, No. 1, 12/17/1990; pp. 91-114	
	C13	EKINS, R. et al., "Immunoassay and other ligand assays: present status and future trends", <i>International Federation of Clinical Chemistry / IFCC</i> , Vol. 9, No 3, 9/1/1997; pp. 100,102-109	
	C14	EKINS, ROGER P. et al., "Multianalyte microspot immunoassay. The microanalytical 'compact disk' of the future", <i>Ann Biol Clin.</i> , Vol. 50, No. 5, Paris 1992; pp. 337-353	
	C15	HOLLINGER, PHILIPP et al., "Diabodies: small bivalent and bispecific antibody fragments", <i>PNAS</i> , Vol. 90, No. 14, 1993; pp. 6444-6448	

EXAMINER**DATE CONSIDERED**

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered; whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT***Complete if Known*

Application Number	09/245,615
Filing Date	Feb 4, 1999
First Named Inventor	James P. Hoeffler
Art Unit	1641
Examiner Name	COOK, Lisa V.

(Use as many sheets as necessary)

Sheet	3	of	3	Attorney Docket No: IVGN 274.1
-------	---	----	---	--------------------------------

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C16	LESLEY, WALLACE A. et al., "Molecular Characterization of Envelope Antigenic Variants of Hepatitis B Virus from Spain", <u>Journal of Infectious Diseases</u> , Vol. 170, No. 5, 1994; pp. 1300-1303	
	C17	LIJNEN, H. R. et al., "Screening Panels of Monoclonal Antibodies using Phage-Displayed Antigen", <u>Analytical Biochemistry</u> , Vol. 248, No. 2, 1997; pp. 211-215	
	C18	MILLE, BLANDINE et al., "Two-site immunoassay of recombinant hirudin based on two monoclonal antibodies", <u>Clinical Chemistry</u> , Vol. 40, No. 5, 1994; pp. 734-739	
	C19	NAWA, MASARU et al., "Stability of Hemagglutinating Activity of Extracellular and Intracellular Forms of Japanese Encephalitis Virus Exposed to Acidic pH", <u>Microbiol. Immunol.</u> , Vol. 40, No. 5, 1996; pp. 365-371	
	C20	PIEHLER, J. et al., "Multi-analyte determination with a direct optical multi-antibody detection system", <u>SPIE</u> , Vol. 2504, 1995; pp. 185-194	
	C21	POLLET, D. E. et al., "Enzyme-antigen immunoassay for human placental alkaline phosphatase in serum and tissue extracts, and its application as a tumor marker", <u>CLINICAL CHEMISTRY</u> , Vol. 31, No. 1, Jan. 1985; pp. 41-45	
	C22	RAMSAY et al., "DNA chips: state-of-the art", <u>Nat. Biotechnol.</u> , Vol. 16, No. 1, 1998; pp. 40-44	
	C23	SCHUH, ROLF, "Determination of monoclonal antibody specificity by immunoadsorption and Western blotting", <u>Journal of Immunological Methods</u> , Vol. 152, 1992; pp. 59-67	
	C24	VENIEN, ANNIE et al., "Production and Epitopic Characterization of Monoclonal Antibodies Against Bovine p-Lactoglobulin", <u>J. Dairy Sci.</u> , Vol. 80, No. 9, 1997; pp. 1977-1987	
	C25	OHYAMA, et al., "Changes in Glycolipid Expression in Human Testicular Tumor", <u>Int. J. Cancer</u> , Vol. 45, Wiley-Liss, Inc., 1990; pp. 1040-1044	
	C26	SCARMAN, et al., "Identification of novel species-specific antigens of <i>Mycoplasma hyopneumoniae</i> by preparative SDS-PAGE ELISA profiling", <u>Microbiology</u> , Vol. 143, 1997; pp. 663-673	
	C27	TEIXEIRA-GOMES, et al., "Identification and characterization of <i>Brucella ovis</i> immunogenic proteins using two-dimensional electrophoresis and immunoblotting", <u>Electrophoresis</u> , Vol. 18, 1997; pp. 1491-1497	

EXAMINER**DATE CONSIDERED**

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered; whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.